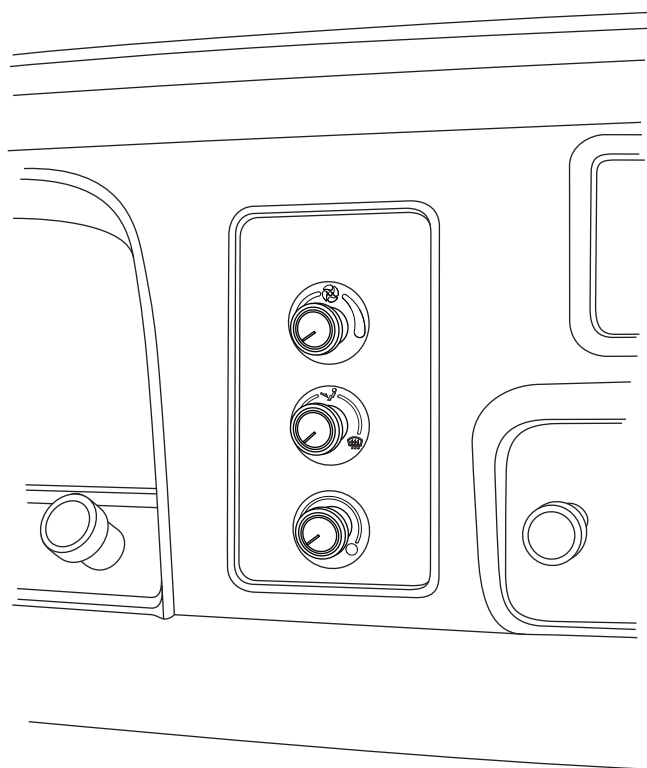




an ISO 9001: 2008 Registered Company

1964-66 CHEV PICK-UP

WITHOUT AC w/ STANDARD CONTROL PANEL
CONVERSION KIT
473263



18865 GOLL ST. - SAN ANTONIO, TX. - 78266 ph.210-654-7171 - fax 210-654-3113



Table of Contents

PAGES

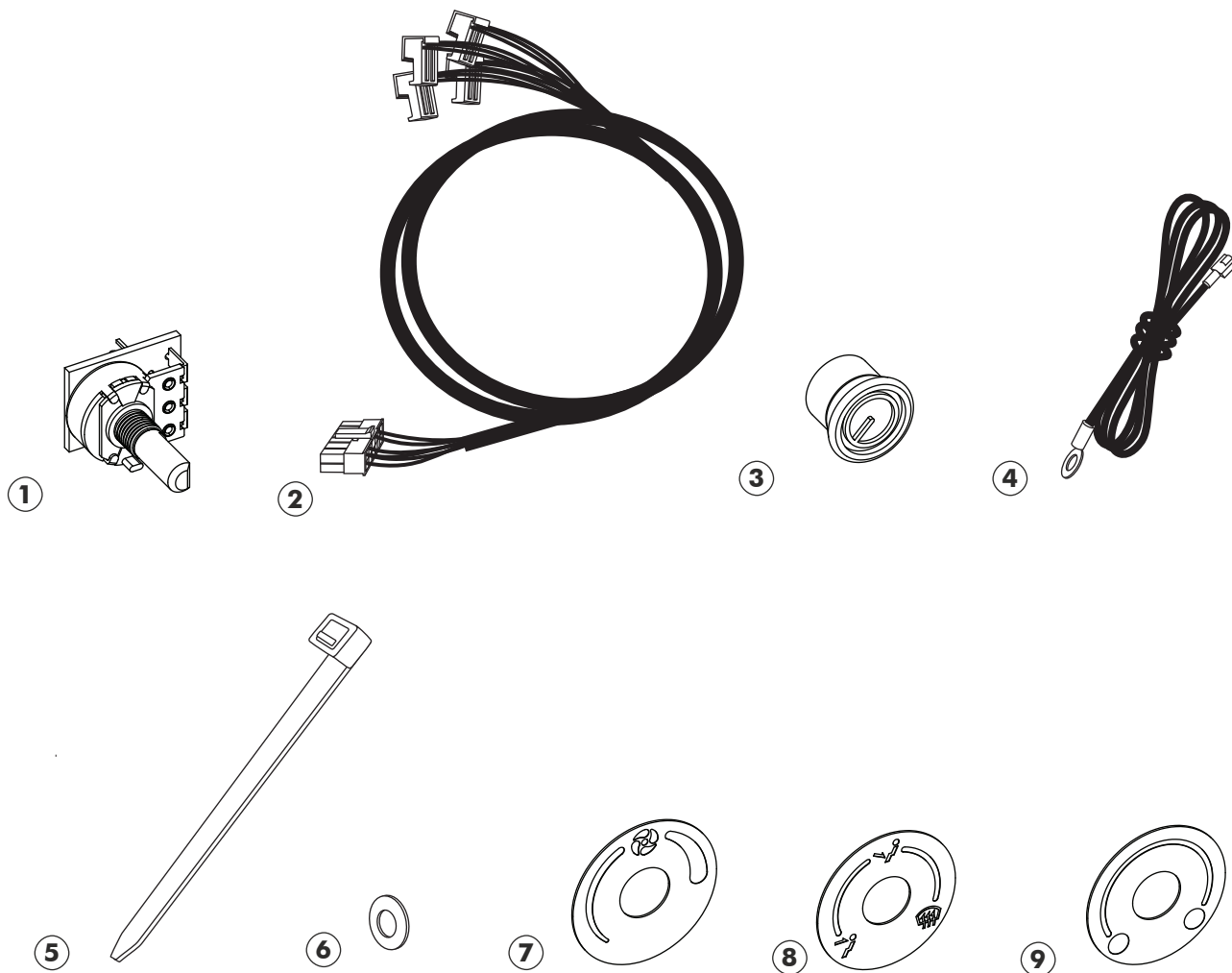
1. COVER
2. TABLE OF CONTENTS
3. PACKING LIST/ PARTS DISCLAIMER
4. REMOVING OEM FAN SWITCH AND KNOB & STANDARD HEATER
CONTROL PLATE MODIFICATION
FIGURES 1 & 2
5. ROTARY POT INSTALLATION
6. FINAL STEPS
FIGURE 3
7. CONTROL PANEL CALIBRATION PROCEDURE
8. CONTROL PANEL CALIBRATION PROCEDURE CONT
9. WIRING DIAGRAM
10. OPERATION OF CONTROLS
11. STANDARD HEATER CONTROL PLATE MODIFICATION TEMPLATE
12. CONTROL KIT PACKING LIST



CONTROL KIT 473263

No	QTY	PART No.	DESCRIPTION
1.	3	246018-0	ROTARY POT ASM
2.	1	232002-VUA	GEN IV UNIVERSAL CONTROL HARNESS
3.	3	497004	KNOB SOFT BLACK METRIC
4.	1	231520	GROUND WIRE
5.	5	21301-VUP	4" TIE WRAP
6.	3	186011	WASHER .625"OD x .281"ID
7.	1	205550	LABEL GEN IV ROTARY FAN
8.	1	205551	LABEL GEN IV ROTARY MODE
9.	1	205552	LABEL GEN IV ROTARY TEMP

**** BEFORE BEGINNING INSTALLATION OPEN ALL PACKAGES AND CHECK CONTENTS OF SHIPMENT. PLEASE REPORT ANY SHORTAGES DIRECTLY TO VINTAGE AIR WITHIN 15 DAYS. AFTER 15 DAYS, VINTAGE AIR WILL NOT BE RESPONSIBLE FOR MISSING OR DAMAGED ITEMS.**





REMOVING OEM FAN SWITCH & KNOB

- ☐ REMOVE THE OEM FAN SWITCH AND KNOB FROM OEM STANDARD HEATER PLATE. (SEE FIGURE 1 BELOW)
- ☐ DISCONNECT WIRES FROM BACK OF FAN SWITCH (DISCARD).
- ☐ REMOVE OEM STANDARD HEATER PLATE FROM DASH.

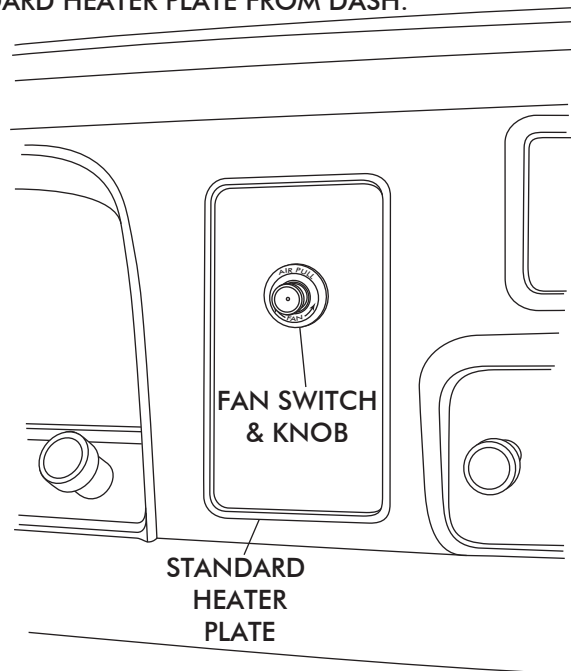


FIGURE 1

STANDARD HEATER PLATE MODIFICATION

- ☐ USING TEMPLATE PROVIDED ON PAGE 11, DRILL (2) .266 DIAMETER HOLES AND (2) .116 DIAMETER HOLES (SEE FIGURE 2 BELOW).

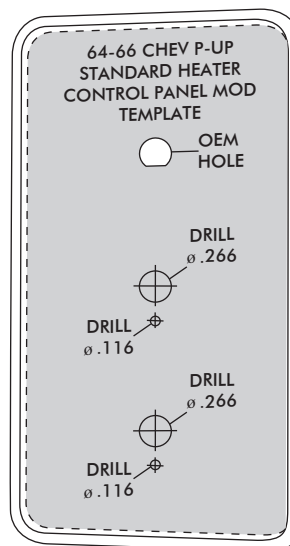


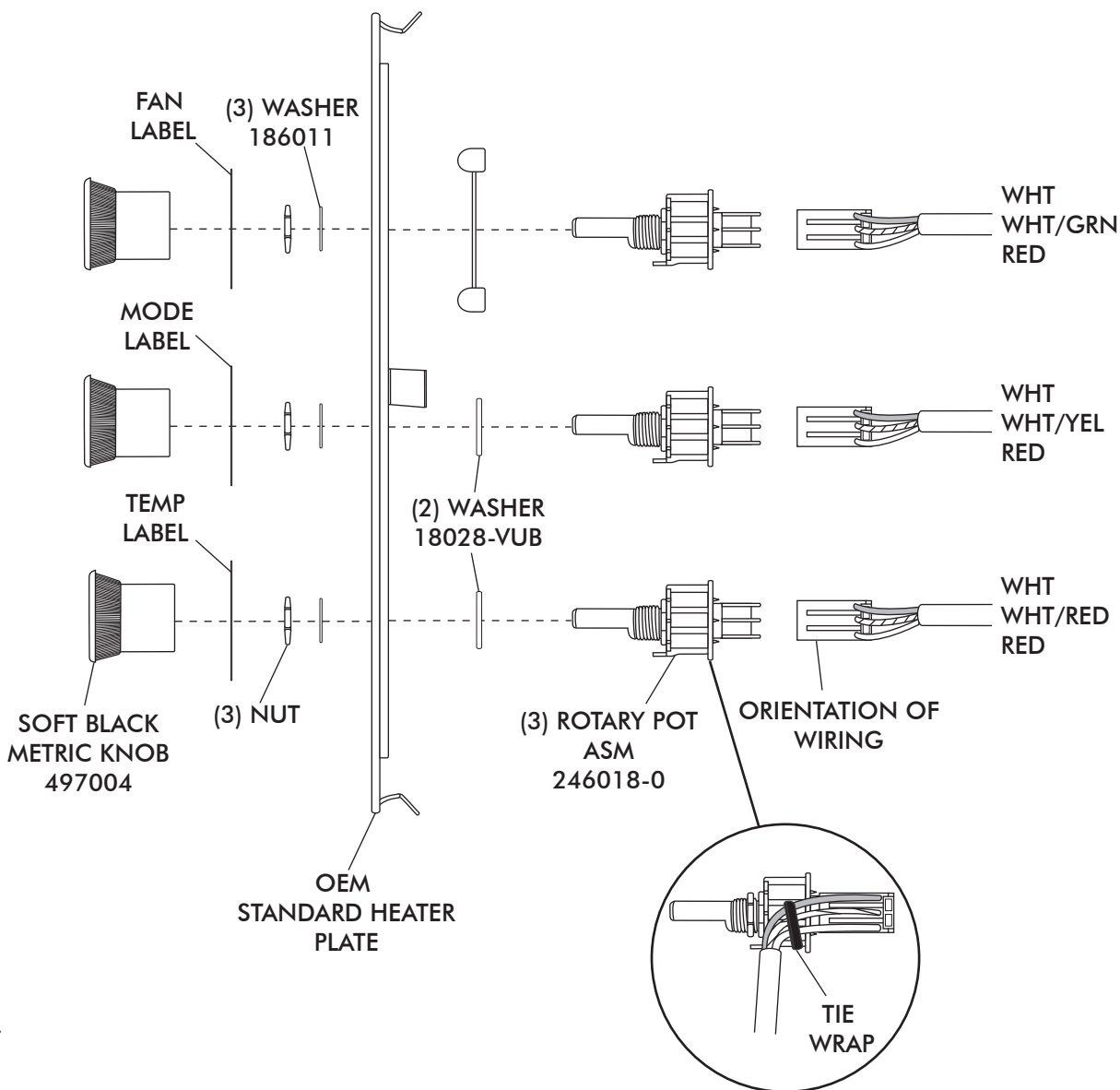
FIGURE 2



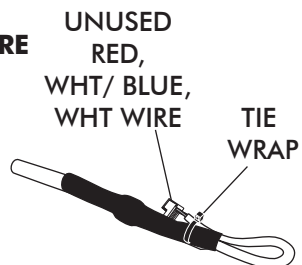
ROTARY POT INSTALLATION

- ☐ LOCATE THE (3) ROTARY POT ASSEMBLIES, AND INSTALL AS SHOWN BELOW.
- ☐ TIE WRAP WIRES TO ROTARY POTS AS SHOWN.

SIDE VIEW



NOTE: TIE THE UNUSED WIRE TO THE WIRE HARNESS AS SHOWN BELOW.





FINAL STEPS

- ❑ REINSTALL CONTROL PANEL IN DASH.
- ❑ PLUG THE WIRING HARNESS INTO THE ECU MODULE ON THE SUB CASE. (SEE FIGURE 3 BELOW.)
- ❑ WIRE ACCORDING TO WIRING DIAGRAM ON PAGE 9.

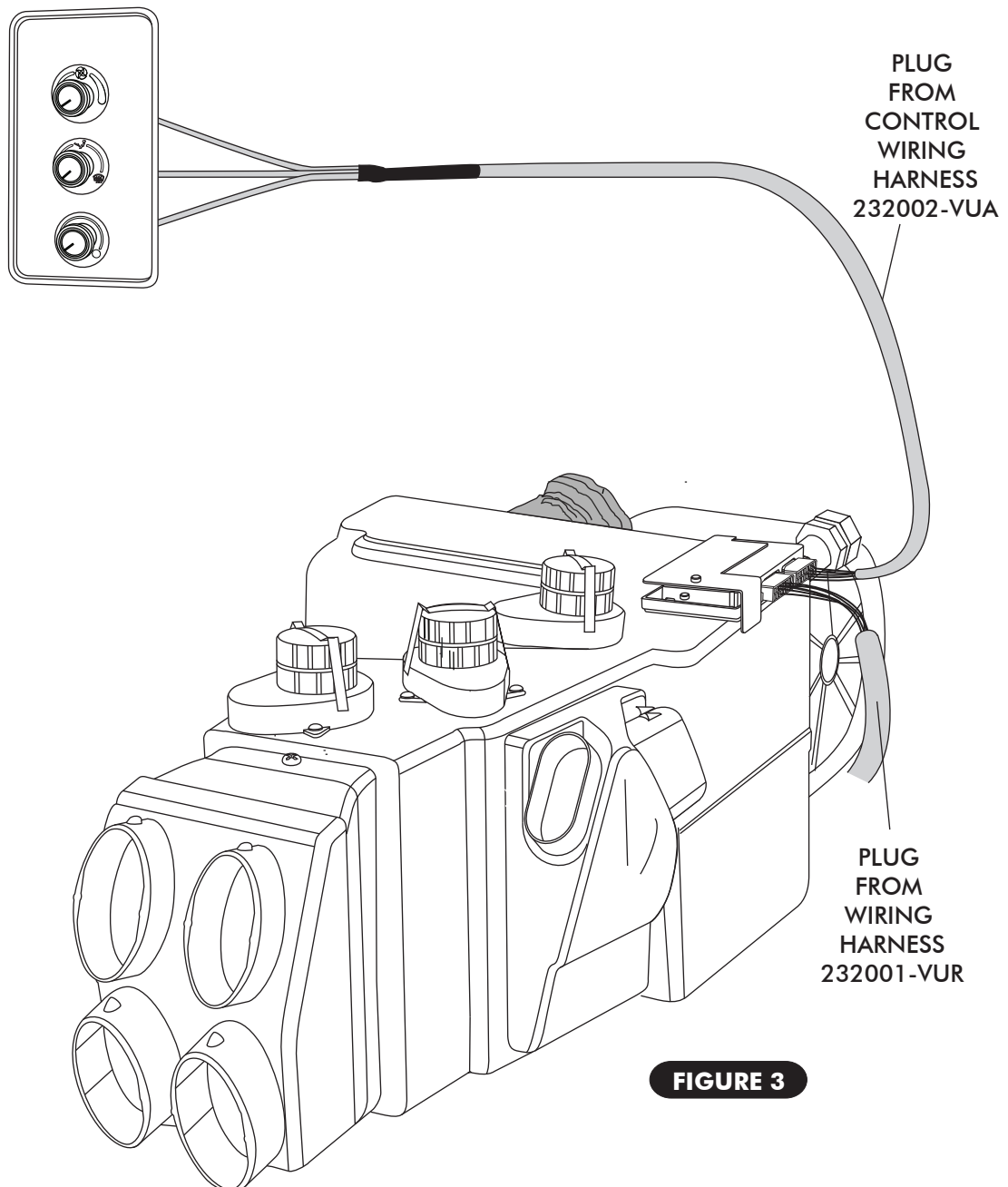


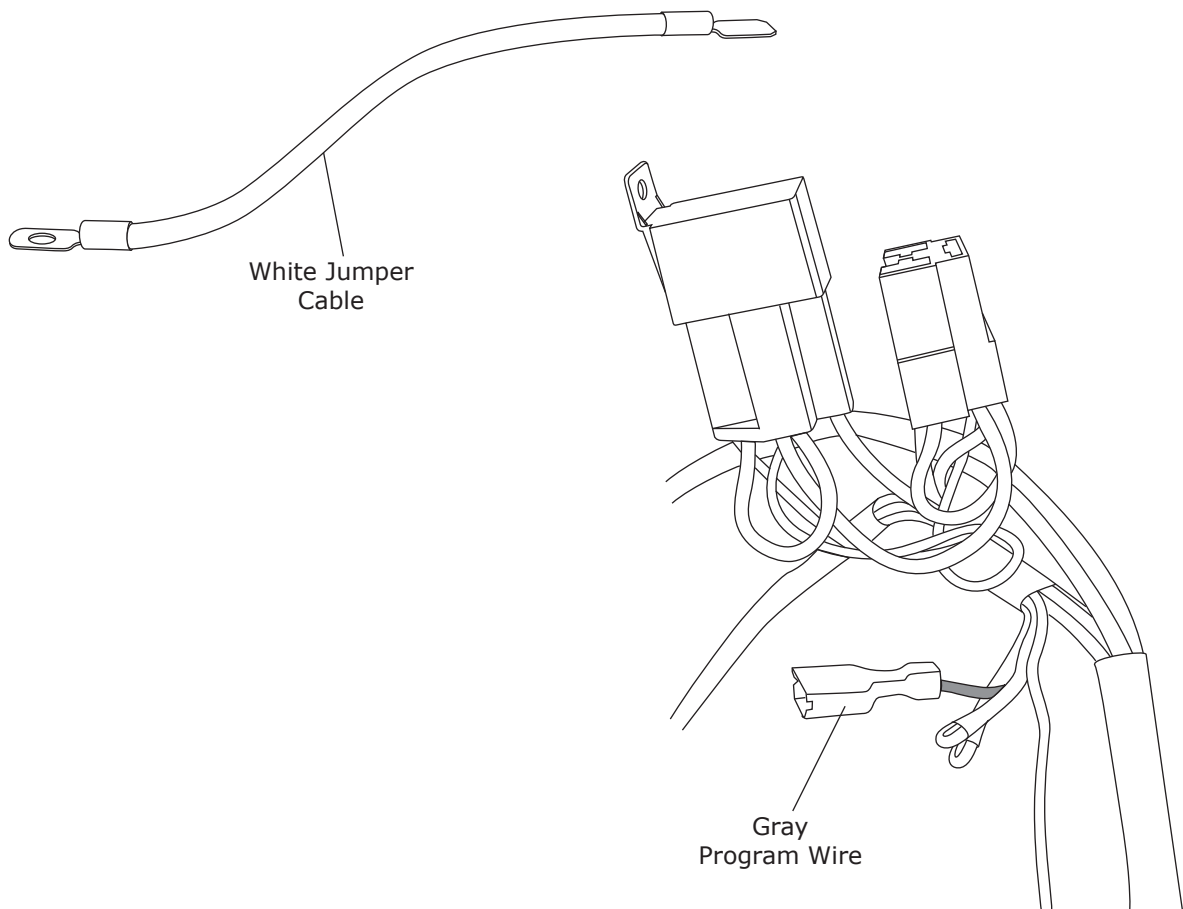
FIGURE 3



Control Panel Calibration Procedure

On Vintage Air Gen IV systems using factory controls, it is necessary to calibrate the system to your specific control panel. This procedure ensures that the stroke of your control panel levers or knobs is translated into precise control of the fan speed, temperature blend and mode door position. Please carefully read and understand these procedures before beginning. The procedure may be repeated as many times as necessary to get it right.

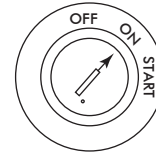
In preparation for calibration, you will need to attach the supplied white ground jumper wire to a suitable chassis ground. This jumper wire must be easily connected to the gray programming wire located in the main Gen IV wiring harness next to the relays. During the calibration procedure, you will connect the white jumper to the gray program wire, which will "teach" the Gen IV ECU the upper limits of the control levers or knobs. The blower will momentarily change speeds, signaling that the upper limits have been "learned". You will move the levers or knobs to opposite extreme positions of their travel and then disconnect the white jumper. The blower will again change speeds, signaling that the lower limits have been learned and that the calibration procedure is complete.



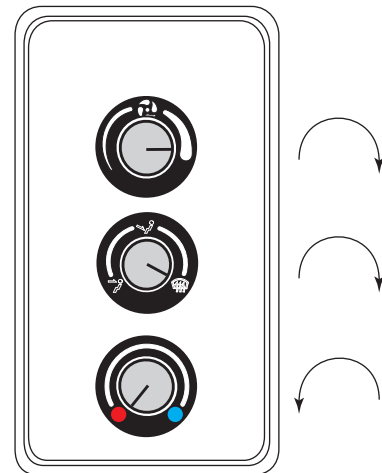


Control Panel Calibration Procedure (Cont.)

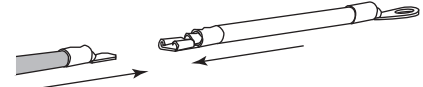
1. Turn on the ignition switch (Do not start the engine).



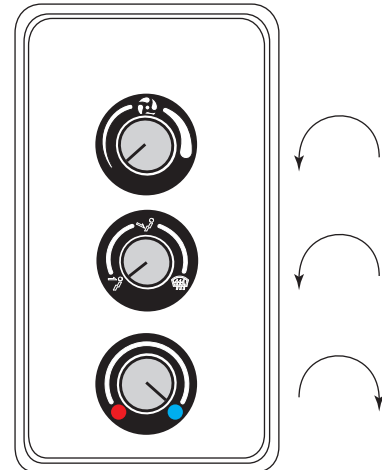
2. Move the control levers/knobs to the position shown.



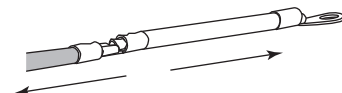
3. Connect the white jumper wire to the gray program wire. Wait for the blower speed to change (Approximately 5 seconds).



4. Move the control levers/knobs to the positions shown.



5. Disconnect the white jumper wire from the gray program wire. The blower speed will change, indicating completion of the calibration procedure.

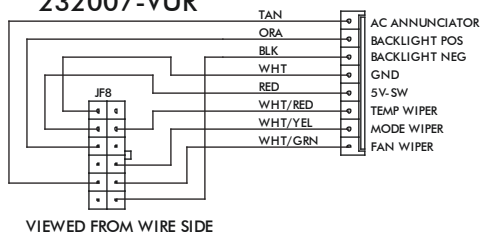


6. Confirm proper operation of controls. Repeat procedure if necessary. When finished, tape over program wire connector with electrical tape to prevent accidental contact with chassis ground.



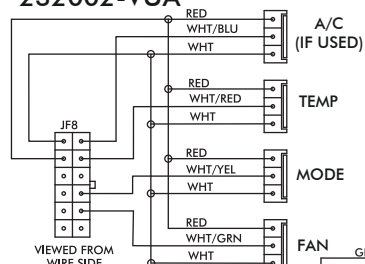
Wiring Diagram

232007-VUR



VIEWED FROM WIRE SIDE

232002-VUA



VIEWED FROM WIRE SIDE

PROGRAM

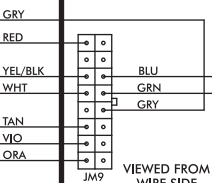
N/A
* DASH LAMP (IF USED)

*** WIDE OPEN THROTTLE SWITCH (OPTIONAL)

IGNITION SWITCH + 12v

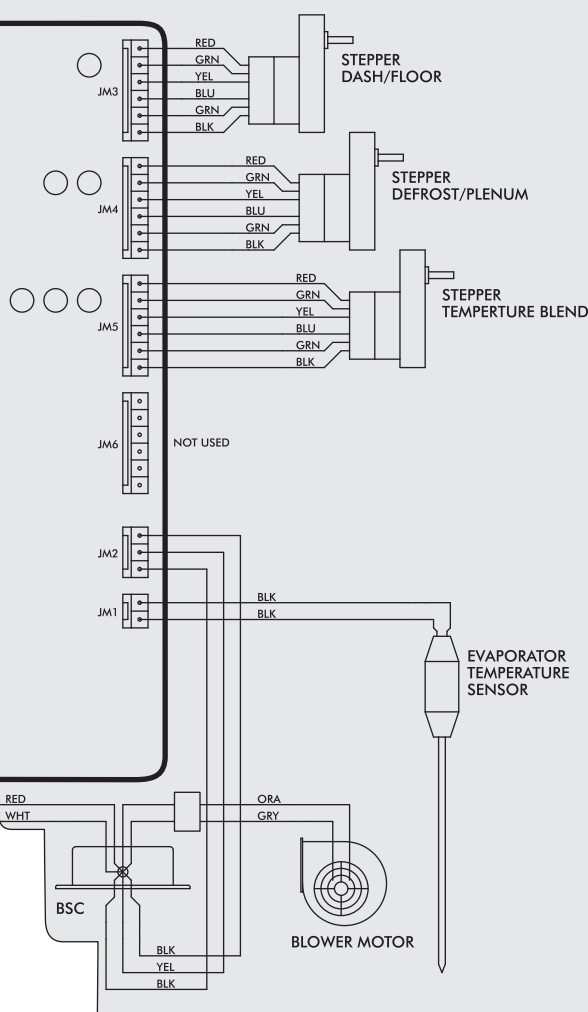
GEN IV ECU

GEN IV WIRING DIAGRAM
REV D, 5/6/2014



COMPRESSION RELAY

PRE-WIRED



NOTE: = CHASSIS GROUND

- Dash Lamp Is Used Only With Type 232007-VUR Harness.
- Warning: Always Mount Circuit Breaker As Close to the Battery As Possible. (NOTE: Wire Between Battery and Circuit Breaker Is Unprotected and Should Be Carefully Routed to Avoid a Short Circuit).
- Wide Open Throttle Switch Contacts Close Only at Full Throttle, Which Disables A/C Compressor.

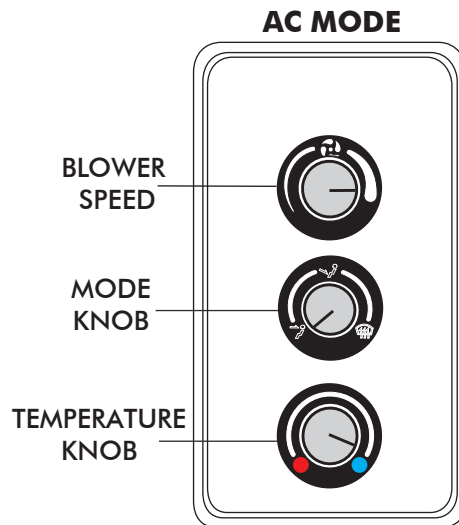


OPERATION OF CONTROLS

THE TEMPERATURE KNOB TOGGLES BETWEEN A/C AND HEAT MODES. FOR A/C MODE ROTATE THE TEMPERATURE KNOB ALL THE WAY RIGHT FOR HEAT MODE ROTATE THE KNOB ALL THE WAY TO THE LEFT TO DISENGAGE THE COMPRESSOR, THEN MOVE THE KNOB TO SELECT DESIRED TEMPERATURE.

NOTE: EACH TIME THE SYSTEM TOGGLES BETWEEN MODES, THE BLOWER WILL MOMENTARILY CHANGE SPEEDS.

ALL SWITCHES ARE VARIABLE BETWEEN POSITIONS, SYSTEM WILL PERFORM A BLEND BETWEEN THE FUNCTIONS.



BLOWER SPEED

THIS KNOB CONTROLS THE BLOWER SPEED, FROM OFF TO HI

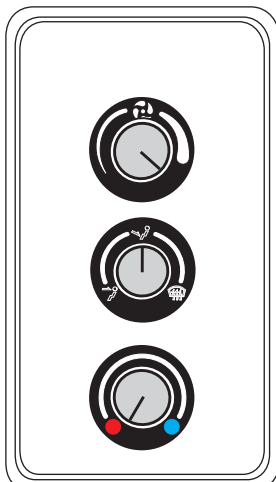
MODE KNOB

ROTATE THE KNOB TO THE LEFT TO DIRECT AIR FLOW TO THE DASH VENTS

TEMPERATURE KNOB

IN A/C MODE ROTATE THE TEMPERATURE KNOB ALL THE WAY RIGHT TO THE COLD POSITION TO ENGAGE COMPRESSOR. (ROTATE KNOB LEFT OR RIGHT TO ADJUST DESIRED TEMPERATURE)

HEAT MODE



BLOWER SPEED

ROTATE KNOB RIGHT TO DESIRED BLOWER SPEED FROM OFF TO HI

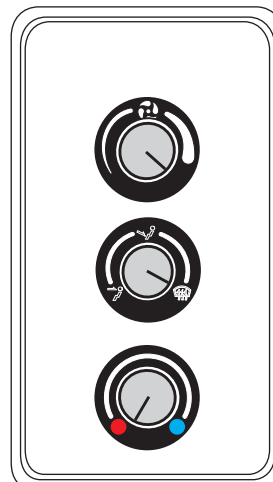
MODE KNOB

ROTATE THE KNOB TO THE CENTER TO DIRECT AIR FLOW TO THE FLOOR.

TEMPERATURE KNOB

IN HEAT MODE ROTATE THE TEMPERATURE KNOB ALL THE WAY LEFT TO THE HOT POSITION. (ROTATE KNOB LEFT OR RIGHT TO ADJUST DESIRED TEMPERATURE)

DEFROST/ DE-FOG MODE



BLOWER SPEED

ROTATE KNOB RIGHT TO DESIRED BLOWER SPEED FROM OFF TO HI

MODE KNOB

ROTATE THE KNOB TO THE RIGHT TO DIRECT AIR FLOW TO THE DEFROST VENTS

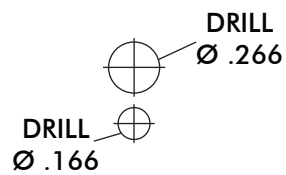
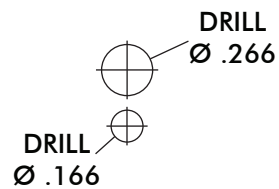
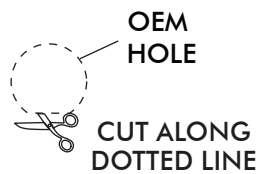
TEMPERATURE KNOB

ROTATE KNOB LEFT OR RIGHT TO ADJUST DESIRED TEMPERATURE (COMPRESSOR IS AUTOMATICALLY ENGAGED)



STANDARD HEATER CONTROL PANEL MODIFICATION TEMPLATE

64-66 CHEV P/UP
STANDARD HEATER
CONTROL PANEL MOD
TEMPLATE





CONTROL KIT 473263

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8.	1	205551	LABEL GEN IV ROTARY MODE	_____
9.	1	205552	LABEL GEN IV ROTARY TEMP	_____

CHECKED BY: _____
PACKED BY: _____
DATE: _____

